PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

29-Jun-2010

Company: 111340

Room Area ID: Reference #:



 Sales Order #:
 C002687

 CCC Panel #:
 P67645

 Date In:
 04-Jun-2010

 Date Out:
 18-Jun-2010

Days In Service: 14

CCC Panel # P67645

ISA Class G2
Moderate

Copper Corrosion 606 Å/30 Days

Silver Corrosion 1805 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67645

The electrolytic reduction analysis on Corrosion Classification Coupon #P67645 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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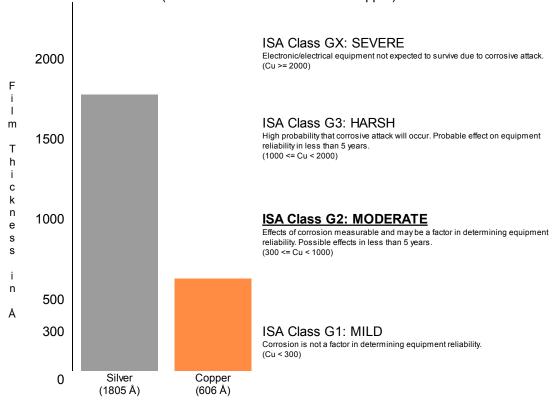
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PURAFIL CCC # P67645 Analysis Results

Corrosion Film Composition				Gold Coupon -
	30 Days	Projections <u>1 Year</u>	<u>5 Year</u>	Magnified 20x
Copper Films Cu ₂ S	462 Å	1611 Å	3602 Å	
Cu ₂ O	144 Å	501 Å	1120 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	606 Å	2112 Å	4722 Å	
Silver Films		•		
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1644 Å	20010 Å	100050 Å	
Unknowns	161 Å	1961 Å	9803 Å	
Totals	1805 Å	21971 Å	109853 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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